IN THE CLAIMS

Please insert all pending claims including their status here.

- 1. (Currently Amended) A method, comprising:
 - receiving in response to a text sentence comprising a plurality of words, each of the plurality of words having a part of speech (POS) tag.; generating a POS sequence based on the POS tag of each of the plurality of words;
 - detecting a prosodic phrase break through a recurrent neural network (RNN); based on the POS sequence, through iterative operations including retrieving a POS tag from the tag sequence.
 - inputting the POS tag to the RNN network, including
 - initializing and inputting a first initial phrase break to a first input of the RNN network.
 - initializing and inputting a first initial POS tag to a second input of the RNN network.
 - initializing and inputting a second initial phrase break to a third input of the RNN network.
 - inputting the first POS tag of the tag sequence to a fourth input of the RNN network, and
 - inputting the second POS tag of the tag sequence to a fifth input of the RNN network,
 - generating an output phrase break associated with the POS tag, from the RNN network
 - retrieving a next POS tag from the tag sequence, and

repeating the above iterative operations until there are no more POS tags to be processed in the tag sequence; and generating a prosodic phrases boundary based on the prosodic phrase break.

- (Original) The method of claim 1, further comprising:
 assigning a POS tag for each of the plurality of words of the sentence; and
 classifying the POS tag for each of the plurality of words to a predetermined class.
- (Original) The method of claim 2, wherein the classification of the POS tag comprises adjective, adverb, noun, verb, and number.
- (Original) The method of claim 3, wherein the classification of the POS tag further comprises quantifier, preposition, conjunction, idiom, and punctuation.
- (Original) The method of claim 1, further comprising segmenting the sentence into the plurality of words.
- 6. (Canceled)
- 7. (Canceled)
- 8. (Currently Amended) The method of claim 71, further comprising: inputting the second initial phrase break to the first input of the RNN network; inputting the first POS tag of the tag sequence to the second input of the RNN network;
 - inputting the output phrase break, previously generated through the RNN network, to the third input of the RNN network;

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inputting the second POS tag of the tag sequence to the fourth input of the RNN network;

inputting the next POS tag from the tag sequence to the fifth input of the RNN network; and

generating a next phrase break associated with the next POS tag through the RNN network.

- 9. (Original) The method of claim 1, wherein the phrase break is generated based on the previously inputted POS tags and previously generated phrase breaks, through the RNN network.
- 10. (Currently Amended) A method, comprising:

initializing the RNN network;

retrieving a POS tag from the a tag sequence;

inputting the POS tag to the an RNN network, including

- initializing and inputting a first initial phrase break to a first input of the RNN network.
- initializing and inputting a first initial POS tag to a second input of the RNN network,
- initializing and inputting a second initial phrase break to a third input of the RNN network, and
- inputting the first POS tag of the tag sequence to a fourth input of the RNN network; and
- inputting the second POS tag of the tag sequence to a fifth input of the RNN network;

generating an output phrase break associated with the POS tag, from the RNN network;

retrieving a next POS tag from the tag sequence; and repeating inputting the POS tag, generating an output phrase break, and retrieving a next POS tag, until there are no more POS tags to be processed in the tag sequence.

11. (Canceled)

- 12. (Currently Amended) The method of claim 1110, further comprising: inputting the second initial phrase break to the first input of the RNN network; inputting the first POS tag of the tag sequence to the second input of the RNN network;
 - inputting the output phrase break, previously generated through the RNN network, to the third input of the RNN network;
 - inputting the second POS tag of the tag sequence to the fourth input of the RNN network;
 - inputting the next POS tag from the tag sequence to the fifth input of the RNN network; and
 - generating a next phrase break associated with the next POS tag through the RNN network.
- 13. (Original) The method of claim 10, wherein the phrase break is generated based on the previously inputted POS tags and previously generated phrase breaks, through the RNN network.
- 14. (Currently Amended) An apparatus, comprising: an interface to receive a text sentence comprising a plurality of words, each of the plurality of words having a part of speech (POS) tag;

a text processing unit to generate a POS sequence based on the POS tag of each of the plurality of words;

an recurrent neural network (RNN) to detect a prosodic phrase break, based on the

POS sequence and generating a prosodic phrases boundary based on the

prosodic phrase break, wherein the RNN network comprises

an input layer for receiving input data, including

a first input to receive a first initial phrase break,
a second input to receive a first initial POS tag,
a third input to receive a second initial phrase break,
a fourth input to receive a first POS tag of the tag sequence, and
a fifth input to receive a second POS tag of the tag sequence.

a hidden layer to perform a prosodic phrase break detection, and an output layer to generate a prosodic phrase break; and

a speech processing unit to perform speech analysis on the prosodic phrase breaks and generating an output speech based on the prosodic phrase breaks.

- 15. (Original) The apparatus of claim 14, wherein the text processing unit assigns the POS tag for each of the plurality of words of the sentence, and classifies the POS tag for each of the plurality of words to a predetermined class.
- (Canceled)
- 17. (Currently Amended) The apparatus of claim 1614, wherein: the first input receives the second initial phrase break; the second input receives the first POS tag of the tag sequence; the third input receives the output phrase break, previously generated; the fourth input receives the second POS tag of the tag sequence; and

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the fifth input receives the next POS tag from the tag sequence.

- 18. (Original) The apparatus of claim 14, wherein the phrase break is generated based on the previously inputted POS tags and previously generated phrase breaks, through the RNN network.
- 19. (Currently Amended) A machine-readable medium having stored thereon executable code which causes a machine to perform a method, the method comprising: receiving in response to a text sentence comprising a plurality of words, each of the plurality of words having a part of speech (POS) tag,; generating a POS sequence based on the POS tag of each of the plurality of words; detecting a prosodic phrase break through a recurrent neural network (RNN), based on the POS sequence, through iterative operations including retrieving a POS tag from the tag sequence. inputting the POS tag to the RNN network, including
 - - initializing and inputting a first initial phrase break to a first input of the RNN network.
 - initializing and inputting a first initial POS tag to a second input of the RNN network.
 - initializing and inputting a second initial phrase break to a third input of the RNN network.
 - inputting the first POS tag of the tag sequence to a fourth input of the RNN nctwork, and
 - inputting the second POS tag of the tag sequence to a fifth input of the RNN network.
 - generating an output phrase break associated with the POS tag, from the RNN network,

processed in the tag sequence; and

generating a prosodic phrases boundary based on the prosodic phrase break.

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- 20. (Original) The machine-readable medium of claim 19, wherein the method further comprises:
 - assigning a POS tag for each of the plurality of words of the sentence; and classifying the POS tag for each of the plurality of words to a predetermined class.
- 21. (Canceled)
- 22. (Currently Amended) The machine-readable medium of claim 2219, wherein the method further comprises:

inputting the second initial phrase break to the first input of the RNN network;

- inputting the first POS tag of the tag sequence to the second input of the RNN network;
- inputting the output phrase break, previously generated through the RNN network, to the third input of the RNN network;
- inputting the second POS tag of the tag sequence to the fourth input of the RNN network:
- inputting the next POS tag from the tag sequence to the fifth input of the RNN network; and
- generating a next phrase break associated with the next POS tag through the RNN network.

23. (Currently Amended) A machine-readable medium having stored thereon executable code which causes a machine to perform a method, the method comprising: initializing the RNN network;

retrieving a POS tag from the a tag sequence;

inputting the POS tag to the an RNN network, including

- initializing and inputting a first initial phrase break to a first input of the RNN network.
- initializing and inputting a first initial POS tag to a second input of the RNN network.
- initializing and inputting a second initial phrase break to a third input of the RNN network,
- inputting the first POS tag of the tag sequence to a fourth input of the RNN network, and
- inputting the second POS tag of the tag sequence to a lifth input of the RNN network;
- generating an output phrase break associated with the POS tag, from the RNN network;

retrieving a next POS tag from the tag sequence; and

- repeating inputting the POS tag, generating an output phrase break, and retrieving a next POS tag, until there are no more POS tags to be processed in the tag sequence.
- 24. (Canceled)
- 25. (Currently Amended) The machine-readable medium of claim 2524, wherein the method further comprising:

inputting the second initial phrase break to the first input of the RNN network;

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- inputting the first POS tag of the tag sequence to the second input of the RNN network;
- inputting the output phrase break, previously generated through the RNN network, to the third input of the RNN network;
- inputting the second POS tag of the tag sequence to the fourth input of the RNN network;
- inputting the next POS tag from the tag sequence to the fifth input of the RNN network; and
- generating a next phrase break associated with the next POS tag through the RNN network.
- 26. (Original) The machine-readable medium of claim 24, wherein the phrase break is generated based on the previously inputted POS tags and previously generated phrase breaks, through the RNN network.